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Jan 7, 2004

DERWENT-ACC-NO: 2004-239902

DERWENT-WEEK: 200423

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TITLE: Nano carbon tube reinforced nano metal base composite material

INVENTOR: CONG, H ; MA, H ; ZHONG, R

PATENT-ASSIGNEE:

ASSIGNEE

CODE

INST METAL RES CAS

METAN

PRIORITY-DATA: 2002CN-0109806 (June 6, 2002)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> CN 1465729 A	January 7, 2004		000	C22C001/05

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
CN 1465729A	June 6, 2002	2002CN-0109806	

INT-CL (IPC): C22 C 1/05

ABSTRACTED-PUB-NO: CN 1465729A

BASIC-ABSTRACT:

NOVELTY - Nano carbon tube reinforced nano metal base composite material comprises a block body material, and contains 5-40 vol% of nano carbon tube, with a balance of nano metal or alloy. The nano carbon tube diameter is 1-100 nm, and its length is 1-50 micrometers. The nano metal is nano metal aluminum, and its grain size is 20-100 nm.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a method of preparing the above composite material.

USE - As nano carbon tube reinforced nano metal base composite material.

ADVANTAGE - The novel metal base block body material has high specific strength and high specific rigidity.

CHOSEN-DRAWING: Dwg.0/0